
 <p>CARLO GAVAZZI CARLO GAVAZZI SPACE SpA</p>	<h1>AMS02-PDS</h1>	<p>DOC N°: PDS-RP-CGS-030</p> <p>ISSUE : 1      DATE: 20/06/2008</p> <p>PAGE : 1 of 3</p>
---	--------------------	---


## INSPECTION REPORT

<p>APPLICABLE DOC. REF. AMS02-PDS PFM Manufacturing and Inspection Plan PDS-PL-CGS-001 is. 1</p>	<p>PROC. REF. N.A.</p>	
<p>ITEM INSPECTED (Name, P/N, S/N) AMS02-PDS PFM – Esem 3-A Board Assy p/n:11-AMS02PDS-300.00 s/n:02, Esem 3-A Board Assy p/n:11-AMS02PDS-300.00 s/n:03, Esem 3-A Board Assy p/n:11-AMS02PDS-300.00 s/n:04 — Inspection Point.</p>		
<p>REQUIREMENT SATISFIED Manufacturing according to aerospace standards</p>		
<p>INSPECTION (Action/Results)</p> <p><b>DESCRIPTION</b></p> <p>Inspection was performed at Carlo Gavazzi Space premises starting on 20 June 2008 and was carried out on the following boards, detail of the inspected boards were below reported:</p> <ol style="list-style-type: none"> <li>1) Esem 3-A Board Assy p/n:11-AMS02PDS-300.00 s/n:02 (pcb s/n:07-034/D).</li> <li>2) Esem 3-A Board Assy p/n:11-AMS02PDS-300.00 s/n:03 (pcb s/n:07-034/A).</li> <li>3) Esem 3-A Board Assy p/n:11-AMS02PDS-300.00 s/n:04(pcb s/n:07-034/B).</li> </ol> <p><b>HARDWARE REVIEW</b></p> <p>1) Esem 3-A Board Assy p/n:11-AMS02PDS-300.00 s/n:02(pcb s/n:07-034/D), Assy:11-AMS02PDS-300.00 rev./, Parts List:11-AMS02PDS-300.01 rev.A, Electrical Scheme:11-AMS02PDS-300.02 rev./, Master PCB:11-AMS02PDS-300.03 rev./.</p> <p>The following NCRs were presented during the inspection:</p> <ul style="list-style-type: none"> <li>• NCR-PDS-CGS-C-022(mechanical assembly problems), NCR classified "minor" is closed.</li> <li>• NCR-PDS-CGS-C-049(rubber silicon sheet missing under U22 component), NCR classified "minor" is closed.</li> </ul> <p>The following PLVs (Parts List Variation Sheet) were presented during the inspection:</p> <ul style="list-style-type: none"> <li>• 11-AMS02PDS-300.01 rev A – A1 can be considered closed.</li> <li>• 11-AMS02PDS-300.01 rev A – A2 can be considered closed</li> <li>• 11-AMS02PDS-300.01 rev A – A5 can be considered closed.</li> <li>• 11-AMS02PDS-300.01 rev A – A6 can be considered closed.</li> <li>• 11-AMS02PDS-300.01 rev A – A7 can be considered closed.</li> <li>• 11-AMS02PDS-300.01 rev A – A8 can be considered closed.</li> </ul> <p>On the pcb the following components are not mounted:U6 (AD590) and U25 (A1020B-CQ84B FPGA).</p> <p>The H/W has been visually inspected and is ok: no damage, visible clean is ok.</p>		
Operator	Quality Assurance	C.C.
Signature	E. FRANCHINI	C. CINQUEPACCHI
Date	20/06/08	20/06/08

 <p>CARLO GAVAZZI</p> <p>CARLO GAVAZZI SPACE SpA</p>	<h1>AMS02-PDS</h1>	<p>DOC N°: PDS-RP-CGS-030</p> <p>ISSUE : 1      DATE: 20/06/2008</p> <p>PAGE : 2 of 3</p>
--	--------------------	---

## INSPECTION REPORT

APPLICABLE DOC. REF. See page 1	PROC. REF. See page 1				
ITEM INSPECTED (Name, P/N, S/N) See page 1					
REQUIREMENT SATISFIED See page 1					
<p>INSPECTION (Action/Results)</p> <p>2) Esem 3-A Board Assy p/n:11-AMS02PDS-300.00 s/n:03 (pcb s/n:07-034/A), Assy:11-AMS02PDS-300.00 rev./, Parts List:11-AMS02PDS-300.01 rev.A, Electrical Scheme:11-AMS02PDS-300.02 rev./, Master PCB:11-AMS02PDS-300.03 rev./.</p> <p>The following NCRs were presented during the inspection:</p> <ul style="list-style-type: none"> <li>• NCR-PDS-CGS-C-022(mechanical assembly problems), NCR classified "minor" is closed.</li> <li>• NCR-PDS-CGS-C-049(rubber silicon sheet missing under U22 component), NCR classified "minor" is closed.</li> </ul> <p>The following PLVSs (Parts List Variation Sheet) were presented during the inspection:</p> <ul style="list-style-type: none"> <li>• 11-AMS02PDS-300.01 rev A – A1 can be considered closed.</li> <li>• 11-AMS02PDS-300.01 rev A – A6 can be considered closed.</li> <li>• 11-AMS02PDS-300.01 rev A – A7 can be considered closed.</li> <li>• 11-AMS02PDS-300.01 rev A – A8 can be considered closed.</li> </ul> <p>On the pcb the following components are not mounted:U6 (AD590) and U25 (A1020B-CQ84B FPGA).</p> <p>The H/W has been visually inspected and is ok: no damage, visible clean is ok.</p> <p>3) Esem 3-A Board Assy p/n:11-AMS02PDS-300.00 s/n:04(pcb s/n:07-034/B), Assy:11-AMS02PDS-300.00 rev./, Parts List:11-AMS02PDS-300.01 rev.A, Electrical Scheme:11-AMS02PDS-300.02 rev./, Master PCB:11-AMS02PDS-300.03 rev./.</p> <p>The following PLVSs (Parts List Variation Sheet) were presented during the inspection:</p> <ul style="list-style-type: none"> <li>• 11-AMS02PDS-300.01 rev A – A1 can be considered closed.</li> <li>• 11-AMS02PDS-300.01 rev A – A6 can be considered closed.</li> <li>• 11-AMS02PDS-300.01 rev A – A7 can be considered closed.</li> <li>• 11-AMS02PDS-300.01 rev A – A8 can be considered closed.</li> </ul> <p>The following NCRs were presented during the inspection:</p> <ul style="list-style-type: none"> <li>• NCR-PDS-CGS-C-022(mechanical assembly problems), NCR classified "minor" is closed.</li> <li>• NCR-PDS-CGS-C-049(rubber silicon sheet missing under U22 component), NCR classified "minor" is closed.</li> </ul> <p>On the pcb the following components are not mounted:U6 (AD590) and U25 (A1020B-CQ84B FPGA).</p> <p>The H/W has been visually inspected and is ok: no damage, visible clean is ok.</p>					
Operator  Signature Date	<table border="0"> <tr> <td style="text-align: center;">Quality Assurance</td> <td style="text-align: center;">C.C.</td> </tr> <tr> <td style="text-align: center;"> <i>E. FRANCINI</i>  <i>20/06/08</i> </td> <td style="text-align: center;"> <i>C. CINQUEPACCHI</i>  <i>C. Cinquepacci</i>  <i>20/06/08</i> </td> </tr> </table>	Quality Assurance	C.C.	<i>E. FRANCINI</i> <i>20/06/08</i>	<i>C. CINQUEPACCHI</i> <i>C. Cinquepacci</i> <i>20/06/08</i>
Quality Assurance	C.C.				
<i>E. FRANCINI</i> <i>20/06/08</i>	<i>C. CINQUEPACCHI</i> <i>C. Cinquepacci</i> <i>20/06/08</i>				

 CARLO GAVAZZI CARLO GAVAZZI SPACE SpA	<h1>AMS02-PDS</h1>	DOC N°: PDS-RP-CGS-030 ISSUE : 1      DATE: 20/06/2008 PAGE : 3 of 3
--	--------------------	--

## INSPECTION REPORT

APPLICABLE DOC. REF. See page 1	PROC. REF. See page 1
ITEM INSPECTED (Name, P/N, S/N) See page 1	
REQUIREMENT SATISFIED See page 1	
INSPECTION (Action/Results)  <b>CONCLUSION</b> All solder joints are of adequate quality, the soldering process complies to ECSS-Q-70-08 and ECSS-Q-70-38. The open points are here listed: 1) On Esem 3-A Board Assy p/n:11-AMS02PDS-300.00 s/n:02 (pcb s/n:07-034/D) the following components are not mounted:U6 (AD590) and U25 (A1020B-CQ84B FPGA). 2) On Esem 3-A Board Assy p/n:11-AMS02PDS-300.00 s/n:03 (pcb s/n:07-034/A) the following components are not mounted:U6 (AD590) and U25 (A1020B-CQ84B FPGA). 3) On Esem 3-A Board Assy p/n:11-AMS02PDS-300.00 s/n:04(pcb s/n:07-034/B) the following components are not mounted:U6 (AD590) and U25 (A1020B-CQ84B FPGA).	
Operator	Quality Assurance      C.C.
Signature Date	<div style="display: flex; justify-content: space-between;"> <div style="text-align: center;"> <i>E. FRANCINI</i>  20/06/08 </div> <div style="text-align: center;"> <i>C. CINQUEPALMI</i>  <i>C. Cinque</i>  20/06/08 </div> </div>